

Appl. No. 10/687,845
 Docket No. CM2526C
 Amdt. dated October 19, 2007
 Reply to Office Action mailed on July 19, 2007
 Customer No. 27752

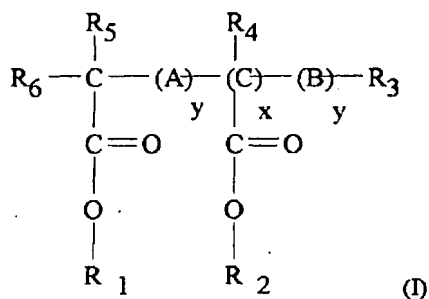
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Previously Presented) A hygienic article comprising a composition comprising a cooling agent together with an ester derivative of the following formula:



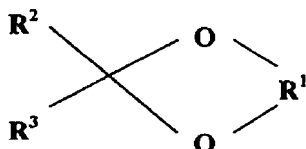
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wherein R₁ and R₂ are independently an alkyl, alkenyl, arylalkyl, hydroxyalkyl, alkoxy groups of from about 2 to about 24 carbon atoms, hydroxy group or hydrogen group; R₃, R₄, R₅, and R₆ are independently an alkyl, alkenyl, arylalkyl, hydroxyalkyl, alkoxy groups of from about 1 to about 24 carbon atoms, hydroxy group or hydrogen group; A and B are independently a C₁-C₆ linear or branched alkylene, alkyl, alkenylene, alkoxy, hydroxyalkylene, hydroxyalkyl groups; the values of x are independently from 0 to about 15; the values of y are independently 0 or 1.

11. (Previously Presented) A hygienic article according to claim 10, wherein said hygienic article is a clothing, bandage, thermal pad, acne pad, cold pad, compress, surgical pad/dressing, protective bedding cover, gloves, socks, perspiration pad, shoe insole, shirt insert, animal litter, panty liner, feminine napkin, incontinent pad, diaper, tampon, interlabial pad, breast pad, dry or wet wipe or human or animal waste management device.
12. (Previously Presented) A hygienic article according to Claim 10, wherein said hygienic article is a disposable absorbent article, wherein said hygienic article comprises a topsheet containing the composition according to claim 10.
13. (Previously Presented) The hygienic article according to Claim 10, wherein the cooling agent is able to convey a freshness sensation, without the need to modify temperature of the skin/mucosal surface of the mammal body to which the composition is applied.
14. (Previously Presented) The hygienic article according to claim 13, wherein the cooling agent is selected from the group consisting of ketals, carboxamides, cyclohexyl derivatives, cyclohexanol derivatives, borneol, camphor, eucalyptol, methyl salicylate, tea tree oil, eucalyptus oil, peppermint oil and mixtures thereof.
15. (Previously Presented) The hygienic article according to claim 13, wherein the cooling agent is selected from the group consisting of:

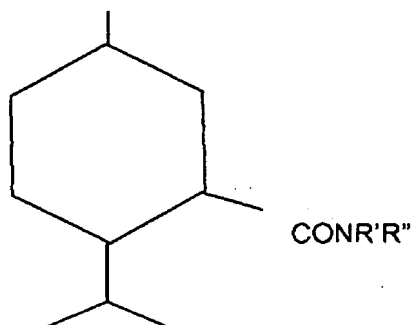
- a ketal according to the following formula:

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in which R¹ represents a C₂-C₆-alkylene radical having at least 1, but not more than 3, hydroxyl group(s), preferably 1 hydroxyl group, and either R² and R³ independently of one another represent C₁-C₁₀-alkyl which is optionally substituted by 1 to 3 radicals selected from the group comprising hydroxyl, amino and halogen (such as fluorine, chlorine, bromine or iodine), C₃-C₇-cycloalkyl, preferably cyclohexyl, C₆-C₁₂-aryl, preferably phenyl, with the proviso that the total of the C atoms of R² and R³ is not less than 3, or R² and R³ together represent an alkylene radical which, together with the carbon atom which carries the radicals R² and R³, forms a 5-7-membered ring, it being possible for this alkylene radical, in turn, to be substituted by C₁-C₆-alkyl groups, or mixtures thereof,

- or a carboxamide of the following formula:



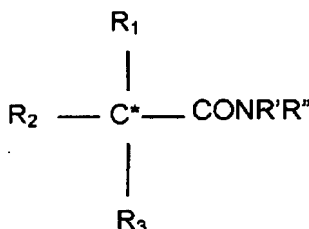
(a)

wherein R', when taken separately, is hydrogen or an aliphatic radical containing up to about 25 carbon atoms; R'' when taken separately is hydroxy, or an aliphatic radical containing up to about 25 carbon atoms, with the proviso that when R' is

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hydrogen R" may also be an aryl radical of up to about 10 carbon atoms and selected from the group consisting of substituted phenyl, phenalkyl or substituted phenalkyl, naphthyl and substituted naphthyl, pyridyl; and R' and R", when taken together with the nitrogen atom to which they are attached, represent a cyclic or heterocyclic group of up to about 25 carbon atoms, or mixtures thereof,

or (b)

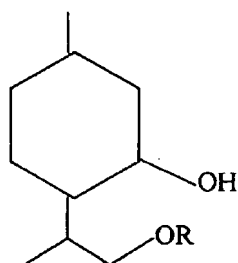


wherein R' and R", when taken separately, are each hydrogen, C₁-C₅ alkyl or C₁-C₈ hydroxyalkyl and provide a total of no more than about 8 carbon atoms, with the proviso that when R' is hydrogen R" may also be alkylcarboxyalkyl of up to 6 carbon atoms; R' and R", when taken together, represent an alkylene group of up to about 6 carbon atoms, the opposite ends of which group are attached to the amide nitrogen atom thereby to form a nitrogen heterocycle, the carbon chain of which may optionally be interrupted by oxygen; R₁ is hydrogen or C₁-C₅ alkyl; and R₂ and R₃ are each C₁-C₅ alkyl; with the provisos that (i) R₁, R₂ and R₃ together provide a total of at least 5 carbon atoms, preferably from about 5-10 carbon atoms; and (ii) when R₁ is hydrogen, R₂ is C₂-C₅ alkyl and R₃ is C₃-C₅ alkyl and at least one of R₂ and R₃ is branched, preferably in an alpha or beta position relative to the carbon atom marked (*) in the formula, or a mixture thereof;

- or a cyclohexanol derivative according to the following general formula:

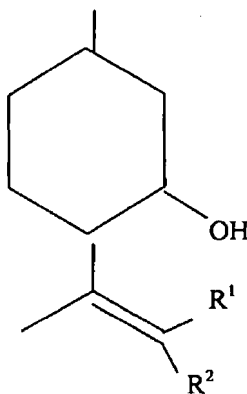
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(1)



wherein R represents a linear or branched alkyl group having about 1 to about 5 carbon atoms, or mixtures thereof,

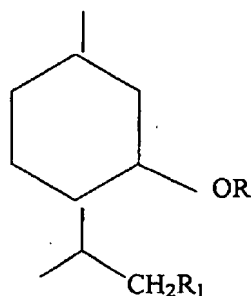
or (2)



wherein R¹ and R² are independently hydrogen, or a linear or branched alkyl group having about 1 to about 5 carbon atom, or mixtures thereof;

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- or a cyclohexyl derivative according to the following general formula



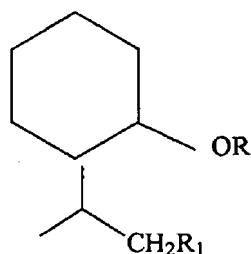
wherein R represents -H, a C₁-C₅ linear or branched alkyl group, a C₁-C₅ alkenyl group, a C₁-C₅ alkoxy group or a C₁-C₅ acyloxy group, R₁ represents -H, or a linear or branched alkyl group having from about 1 to about 5 carbon atoms, or mixtures thereof;

- or a mixture thereof.

16. (Previously Presented) The hygienic article according to claim 13, wherein the cooling agent is (a) menthol and/or peppermint oil in combination with (b) a second cooling agent typically selected from the group consisting of ketals, carboxamides, cyclohexyl derivatives with the exception of menthol, cyclohexanol derivatives and mixtures thereof.

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17. (Previously Presented) The hygienic article according to claim 16, wherein the second cooling agent is a cyclohexyl derivative according to following formula:



wherein R represents -H, a C₁-C₅ linear or branched alkyl group, a C₁-C₅ alkenyl group, a C₁-C₅ alkoxy group or a C₁-C₅ acyloxy group, R₁ represents -H, or a linear or branched alkyl group having from about 1 to about 5 carbon atoms, with the exception of R and R₁ both being hydrogen, or mixtures thereof, and preferably is menthyl lactate, typically in a weight ratio of (a) to (b) from 1/1 to 1/100.

18. (Canceled)
19. (Previously Presented) The hygienic article according to claim 10, wherein the cooling agent or a mixture thereof is present at a level of about 0.1% to about 99.9% and wherein the ester derivative or a mixture thereof is present at a level of from 99.9% to 0.1%, by weight of the total composition.
20. (Previously Presented) The hygienic article according to claim 10, wherein said composition is suitable for topical application to the external surface of a mammal in the form of a cream, lotion, emulsion, dispersion, gel, foam, oil, ointment or